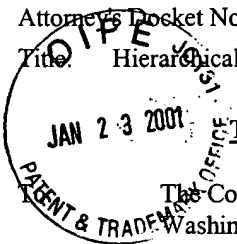


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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application Serial No. 09/753,413  
Filing Date 1/2/2001  
Inventorship Bradshaw  
Applicant Microsoft Corporation  
Attorney's Docket No. MS1-622US  
Title Hierarchical, Probabilistic, Localized, Semantic Image Classifier



**TRANSMITTAL LETTER AND CERTIFICATE OF MAILING**

The Commissioner of Patents & Trademarks  
Washington, D.C. 20231

From: Kasey C. Christie (Tel. 509-324-9256; Fax 509-323-8979)  
Lee & Hayes, PLLC  
421 W. Riverside Avenue, Suite 500  
Spokane, WA 99201

The following enumerated items accompany this transmittal letter and are being submitted for the matter identified in the above caption.

1. Transmittal letter including Certificate of Mailing
2. Return Post Card
3. Information Disclosure Statement; Form PTO-1449; references (9)

Large Entity Status ☒ Small Entity Status ☐

*Applicant hereby requests an extension of time in any case such an extension is necessary. The fee should be charged to the Deposit Account indicated below.*

The Commissioner is hereby authorized to charge payment of fees or credit overpayments to Deposit Account No. 12-0769 in connection with any patent application filing fees under 37 CFR 1.16, and any processing fees, including any necessary extension fees under 37 CFR 1.17.

Date: 1-18-2001

By: Kasey C. Christie  
Kasey C. Christie  
Reg. No. 40,559

**CERTIFICATE OF MAILING**

I hereby certify that the items listed above as enclosed are being deposited with the U.S. Postal Service as first class mail in an envelope addressed to The Commissioner of Patents & Trademarks, Washington, D.C. 20231, on the below-indicated date

Date: 1/18/2001

By: Cheryl K. Boies  
Cheryl K. Boies

1                   **IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

2   Serial No. ....09/753,413  
3   Filing Date .....1/2/2001  
4   Inventorship .....Bradshaw  
5   Applicant ..... Microsoft Corporation  
6   Attorney's Docket No. .... MS1-622US  
7   Title: Hierarchical, Probabilistic, Localized, Semantic Image Classifier



8                   **INFORMATION DISCLOSURE STATEMENT**

9                   *References -- See Attached Form PTO-1449*

10                   **REMARKS**

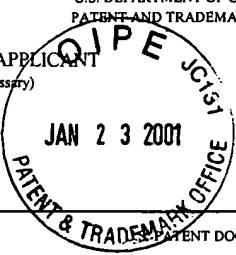
11                   The citations listed, copies attached, are submitted in compliance with the  
12                   duty of disclosure defined in 37 CFR §1.56. The Examiner is requested to make  
13                   these citations of official record in this application.

14                   Respectfully Submitted,

15                   Date: 1-18-2001

16                   By: Kasey C. Christie  
17                   Kasey C. Christie  
18                   Reg. No. 40,559

Form PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE			ATTY. DOCKET NO. MS1-622US		SERIAL NO. 09/753,413	
LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)					APPLICANT Microsoft Corporation			
					FILING DATE 1/2/2001		GROUP	




PATENT DOCUMENTS							
*Examiner Initial	A	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	A						
	B						
	C						
	D						
	E						
	F						
	G						
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FOREIGN PATENT DOCUMENTS																			
		Document Number	Date	Country	Class	Subclass	Translation												
							<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%;">Yes</th> <th style="width: 50%;">No</th> </tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table>	Yes	No										
Yes	No																		

OTHER PRIOR ART (including Author, Title, Date, Pertinent Pages, Etc.)			
	E		Hotta et al., "Image Retrieval by Using PCA Binary Trees," Transactions of the Institute of Electronics, Information and Communication Engineers D-II, Vol. J83D-II, No. 5, May 2000, pp 1395-1397
	F		Vasconcelos et al., "A Probabilistic Architecture for Content-based Image Retrieval," MIT Media Lab, IEEE 2000, pp 216-221
	G		Wu et al., "Discriminant-EM Algorithm with Application to Image Retrieval," Beckman Institute, University of Illinois at Urbana-Champaign, IEEE 2000, pp 222-227
	H		Martinez, "Semantic Access of Frontal Face Images: the expression-invariant problem," Robot Vision Lab. School of Electrical and Computer Engineering, Purdue University, IEEE 2000, pp 55-59
	I		Durand et al., "Extraction of Composite Visual Objects from Audiovisual Materials," Proceedings of SPIE Conference on Multimedia Storage and Archiving Systems IV, SPIE Vol. 3846, September 1999, pp 194-203

EXAMINER	DATE CONSIDERED
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. MS1-622US		SERIAL NO. 09/753,413	
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U.S. PATENT DOCUMENTS							
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
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	K						
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation
							Yes      No
OTHER PRIOR ART (including Author, Title, Date, Pertinent Pages, Etc.)							
	E		Puzicha et al., "A theory of proximity based clustering: structure detection by optimization," Journal of the Pattern Recognition Society 33, 2000, pp 617-634				
	F		Xu et al., "Object Formation by Learning in Visual Databases Using Hierarchical Content Description," Department of Electrical Engineering, University of Rochester, Xerox Corporation, IEEE, 1999, pp 595-599				
	G		Fuh et al., "Hierarchical Color Image Region Segmentation for Content-Based Image Retrieval System," IEEE Transactions on Image Processing, 2000, V9, N1 (Jan), pp 156-162				
	H		Lee et al., "Information Embedding Based on User's Relevance Feedback for Image Retrieval," Proceedings of SPIE Conference on Multimedia Storage and Archiving Systems IV, SPIE Vol. 3846, September 1999, pp 294-304				
	I						
EXAMINER				DATE CONSIDERED			
<small>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small>							